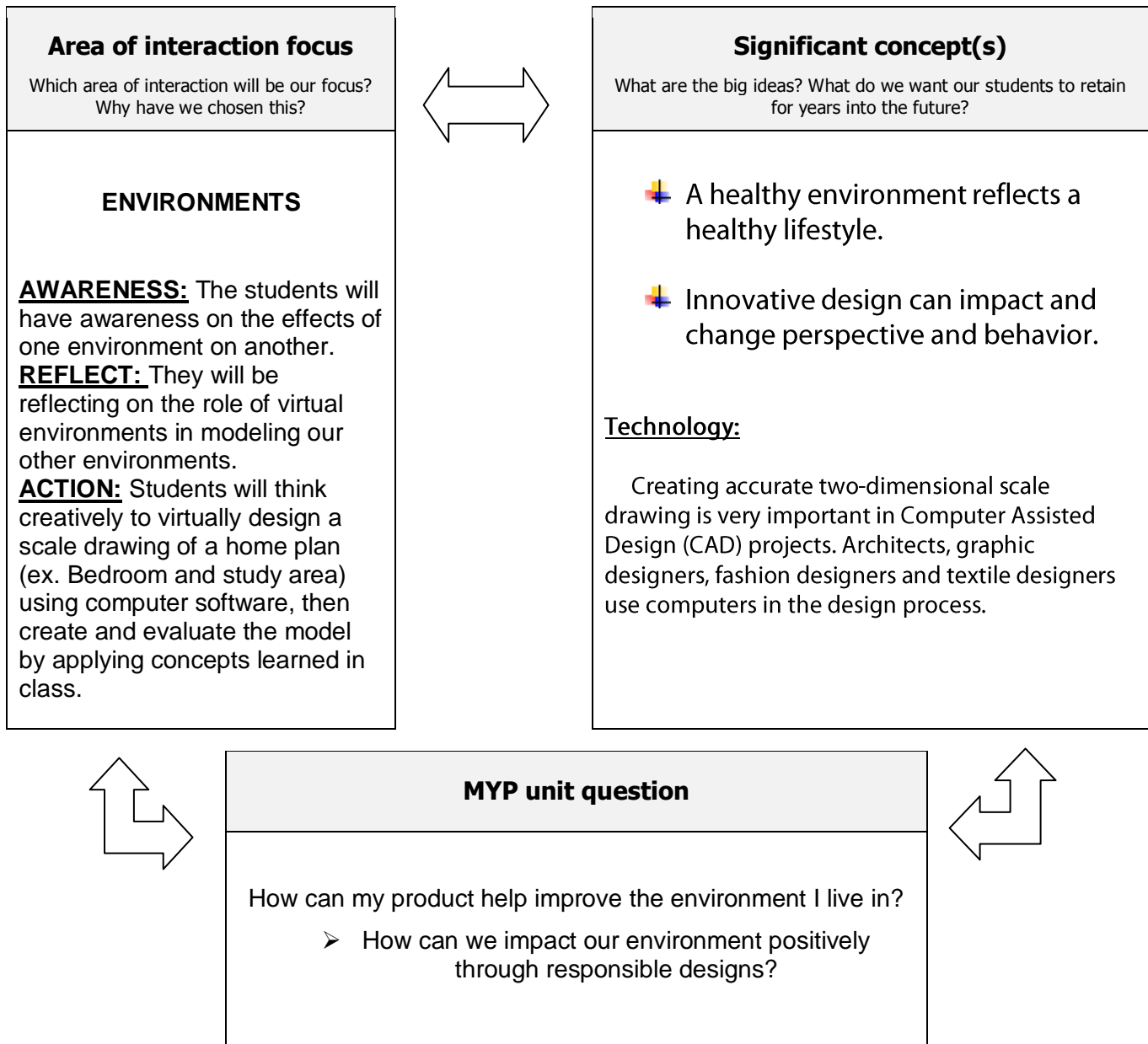


"A world-class community of proud and outstanding achievers."

Unit title	A Scale Drawing (CT)
Teacher(s)	Loyd M. Wallace (PIC)
Subject and grade level	Grade 8 - Technology
Time frame and duration	5 weeks (Term 1)

Stage 1: Integrate significant concept, area of interaction and unit question



"A world-class community of proud and outstanding achievers."

Assessment

What task(s) will allow students the opportunity to respond to the unit question?

What will constitute acceptable evidence of understanding? How will students show what they have understood?

Working individually, students use a graphic program to produce a scale drawing of a home plan (ex. bedroom and study area). In the process, students should be able to:

- **Investigate** - Understand the specific uses of drawing and painting software packages, appreciate the differences in the printed output
- **Design** – calculate scaled measurements, measure dimensions accurately and record them systematically
- **Create** - devise and use system of symbols, use drawing software to make a scale drawing, understand the use of alignment tools of a drawing package
- **Evaluate** – ask feedback to identify areas of strength and weakness in the drawing

Summative Assessment - The Final product. This will be based on student's design folder (work output) as well as the product.

Formative Assessment – Based on student's involvement and enthusiasm in the process of designing and creating a model. This will be based on teacher observations throughout the task. It will be carried out in the form of a checklist.

Which MYP assessment criteria will be used?

- Criterion A – Investigate
- Criterion B – Design
- Criterion D – Create
- Criterion E – Evaluate
- Criterion F – Attitudes in Technology

* Criterion C is a part of the design cycle but will not be assessed this term.

Resources

What resources are available to us?

How will our classroom environment, local environment and/or the community be used to facilitate students' experiences during the unit?

- Home planning magazines, drawing software, software for measurement conversion, measuring tools, mall displays
- "The Fast, Easy Way to Design Your Dream Home." *Free Home Design Software and Interior Design Software*. N.p., n.d. Web. 23 July 2012. <<http://www.homestylar.com/>>.
- "The Easiest Way to Create Floor Plans." *Create Floor Plans, House Plans and Home Plans Online with Floorplanner.com*. N.p., n.d. Web. 23 July 2012. <<http://floorplanner.com/>>.
- "25 Free Must Download Design Programs." *Design Inspiration, Freebies and Tutorials*. N.p., n.d. Web. 23 July 2012. <<http://creativenerds.co.uk/freebies/25-free-must-download-design-programs/>>.